APPENDIX B

B-1 RESULTS OF SOIL VAPOR ANALYSES

B-2 CHAIN-OF-CUSTODY FORMS

B-3 DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS

APPENDIX B-1

RESULTS OF SOIL VAPOR ANALYSES

HP LABS

September 9, 2003

Mr. Jay Robinson
Geofon
22632 Golden Springs Drive
Suite 270
Diamond Bar, CA 91765

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #04-4428.10

HP Labs Project # GF0081803-L6

Mr. Robinson:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #1561).

Project Summary

Soil vapor from 105 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

HP Labs appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Rebecca Johnson for

Ms. Tamara Davis
Lab Director

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Melhod 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW12-VPA-001	SVW12-VPC-002	SVW31-VPA-003	SVW31-VPB-004	SVW31-VPC-005	SVW31-VPD-006	SVW31-VPE-007	SVW30-VPA-008	SVW30-VPB-009	SVW30-VPB-010 Dup	SVW30-VPC-011	SVW30-VPD-012	SVW30-VPE-013
DATE	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03	08/18/03
ANALYSIS TIME	8:13	8:53	9:19	9:43	10:07	10:31	10:55	11:19	11:43	12:07	12:32	13:37	14:04	14:29
SAMPLING DEPTH (feet)	--	20	60	20	35	45	55	65	17	30	30	40	50	65
VOLUME WITHDRAWN (cc)	--	140	300	140	200	240	280	320	128	180	240	220	260	320
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)														
DIBROMODIFLUOROMETHANE	102%	105%	106%	108%	109%	111%	111%	112%	112%	112%	115%	116%	111%	111%
1,2-DICHLOROETHANE-d4	99%	104%	105%	108%	105%	109%	109%	108%	107%	112%	111%	114%	106%	111%
4 BROMOFLUORO BENZENE	102%	100%	103%	99%	100%	99%	101%	102%	99%	100%	100%	95%	97%	98%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW5-VPB-014	SVW1-VPB-015	SVW1-VPC-016	SVW2-VPA-017	SVW3-VPB-018	SVW3-VPC-019	SVW7-VPA-020	SVW7-VPB-021	SVW4-VPB-022	SVW4-VPB-023 Dup	SVW4-VPD-024
DATE	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03	08/19/03
ANALYSIS TIME	7:54	8:25	8:51	9:15	9:39	10:03	10:27	10:50	11:15	11:39	12:03	13:16
SAMPLING DEPTH (feet)	--	9	21	33	10	29	40	20	35	20	20	56
VOLUME WITHDRAWN (cc)	--	96	144	192	100	176	220	140	200	140	200	284
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	1.7	nd	nd	nd	2.9	2.9	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	26	28	2.5
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)												
DIBROMODIFLUOROMETHANE	110%	103%	111%	115%	114%	115%	115%	115%	121%	115%	119%	110%
1,2-DICHLOROETHANE-d4	110%	100%	107%	113%	113%	111%	111%	110%	118%	112%	114%	105%
4 BROMOFLUORO BENZENE	98%	105%	103%	103%	102%	95%	97%	94%	98%	99%	97%	101%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW11-VPA-025	SVW32-VPB-026	SVW32-VPD-027	SVW32-VPE-028	SVW32-VPI-029	SVW32-VPJ-030	SVW14-VPA-031	SVW14-VPB-032	SVW17-VPC-033	SVW17-VPC-034 Dup	SVW8-VPC-035	SVW8-VPD-036	SVW8-VPE-037	SVW13-VPB-038
DATE	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03	08/20/03
ANALYSIS TIME	6:58	7:48	8:17	8:40	9:04	9:29	9:53	10:17	10:41	11:05	11:29	13:01	13:25	13:49	14:13
SAMPLING DEPTH (feet)	--	20	40	70	90	180	195	5	10	36	36	50	70	90	20
VOLUME WITHDRAWN (cc)	--	140	220	340	420	780	840	80	100	204	264	260	340	420	140
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	3.3	2.3	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.2	1.2	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	11	8.7	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.1	6.4	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.4	1.0	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.5	2.1	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	110	90	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.3	2.6	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.5	1.2	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	12	9.2	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	110%	105%	110%	107%	111%	114%	116%	109%	108%	88%	92%	104%	107%	107%	108%
1,2-DICHLOROETHANE-d4	103%	104%	108%	105%	107%	112%	112%	109%	109%	85%	93%	102%	104%	105%	106%
4 BROMOFLUORO BENZENE	104%	97%	105%	98%	99%	97%	100%	110%	107%	116%	113%	103%	102%	104%	101%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW10-VPB-039	SVW10-VPD-040	SVW33-VPA-041	SVW33-VPB-042	SVW33-VPC-043	SVW33-VPD-044	SVW33-VPE-045	SVW33-VPF-046	SVW33-VPG-047	SVW33-VPG-048 Dup	SVW33-VPJ-049	SVW9-VPA-050	SVW9-VPB-051	SVW9-VPC-052	SVW9-VPD-053	SVW9-VPE-054
DATE	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03	08/21/03
ANALYSIS TIME	6:57	7:35	7:58	8:23	8:47	9:11	10:24	10:00	10:48	11:12	11:36	12:44	13:07	13:31	13:55	14:19	14:42
SAMPLING DEPTH (feet)	--	35	69	20	40	60	85	105	120	140	140	200	20	35	50	70	87
VOLUME WITHDRAWN (cc)	--	200	336	140	220	300	400	480	540	620	680	860	140	200	260	340	408
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	7.0	nd	11	8.8	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.4	2.5	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.4	2.0	2.5	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.7	1.5	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	4.1	4.8	nd	nd	nd	nd	1.5	nd	2.4	2.5	nd	1.0	1.3	1.1	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)																	
DIBROMODIFLUOROMETHANE	104%	106%	103%	109%	113%	116%	117%	115%	117%	119%	115%	117%	112%	119%	117%	118%	121%
1,2-DICHLOROETHANE-d4	104%	103%	98%	104%	113%	112%	113%	117%	110%	116%	112%	111%	104%	116%	115%	115%	113%
4 BROMOFLUORO BENZENE	108%	99%	104%	104%	98%	104%	100%	100%	104%	97%	97%	98%	97%	94%	93%	97%	94%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW35-VPE-055	SVW35-VPI-056	SVW28-VPA-057	SVW28-VPD-058	SVW28-VPD-059 Dup	SVW28-VPE-060	SVW26-VPF-061	SVW26-VPG-062	SVW26-VPH-063	SVW25-VPA-064	SVW25-VPB-065	SVW25-VPI-066	SVW25-VPJ-067
DATE	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03	08/22/03
ANALYSIS TIME	7:00	7:25	7:50	8:14	8:39	9:02	9:26	9:50	10:13	10:37	11:01	12:32	12:56	13:21
SAMPLING DEPTH (feet)	--	80	140	20	80	80	105	115	140	160	20	40	180	190
VOLUME WITHDRAWN (cc)	--	380	620	140	380	440	480	520	620	700	140	220	780	820
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	2.2	1.6	nd	nd	1.4	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	1.2	1.0	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	3.1	nd	nd	nd	nd	nd	nd	nd	nd	1.1	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	1.1	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	2.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)														
DIBROMODIFLUOROMETHANE	110%	107%	112%	114%	117%	121%	118%	114%	120%	116%	117%	115%	115%	120%
1,2-DICHLOROETHANE-d4	105%	101%	113%	104%	111%	116%	114%	110%	112%	110%	112%	113%	106%	118%
4 BROMOFLUORO BENZENE	100%	103%	100%	99%	97%	96%	93%	96%	96%	96%	96%	98%	98%	97%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

SEP 2 5 2003

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW36-VPA-068	SVW36-VPB-069	SVW36-VPB-070 Dup	SVW36-VPC-071	SVW36-VPD-072	SVW36-VPE-073	SVW27-VPA-074	SVW27-VPB-075	SVW27-VPC-076	SVW27-VPD-077	SVW27-VPE-078	SVW27-VPF-079	SVW27-VPG-080	SVW27-VPG-081 Dup	SVW27-VPI-082
DATE	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03	08/25/03
ANALYSIS TIME	7:55	8:39	9:04	9:29	9 53	10:18	10:42	11:06	11:29	11:54	12:18	13:25	13:49	14:14	14:38	15:01
SAMPLING DEPTH (feet)	–	20	35	35	55	75	92	20	35	60	85	100	120	140	140	160
VOLUME WITHDRAWN (cc)	–	140	200	260	280	360	428	140	200	300	400	460	540	620	680	780
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.3	2.2	2.7
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.1
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)																
DIBROMODIFLUOROMETHANE	105%	108%	105%	113%	110%	113%	112%	112%	112%	115%	114%	113%	113%	114%	113%	115%
1,2-DICHLOROETHANE-d4	101%	103%	105%	109%	108%	105%	111%	108%	108%	112%	110%	105%	109%	109%	114%	114%
4 BROMOFLUORO BENZENE	100%	101%	100%	101%	100%	98%	95%	94%	97%	93%	93%	100%	92%	94%	96%	100%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW38-VPD-083	SVW38-VPF-084	SVW38-VPJ-085	SVW37-VPB-086	SVW37-VPE-087	SVW37-VPH-088	SVW37-VPH-089 Dup	SVW37-VPI-090	SVW37-VPJ-091
DATE	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03	08/27/03
ANALYSIS TIME	8:42	9:07	9:38	10:03	10:27	10:53	11:18	11:43	12:09	12:34
SAMPLING DEPTH (feet)	--	80	110	170	40	100	155	155	170	185
VOLUME WITHDRAWN (cc)	--	380	500	740	220	460	680	740	740	800
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	1.1	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	1.8	nd	nd	1.8	1.6	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)										
DIBROMODIFLUOROMETHANE	106%	108%	109%	114%	114%	120%	118%	121%	123%	124%
1,2-DICHLOROETHANE-d4	106%	119%	102%	108%	111%	115%	109%	113%	114%	117%
4 BROMOFLUORO BENZENE	103%	95%	103%	95%	95%	94%	93%	92%	94%	97%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW34-VPE-092	SVW34-VPE-093 Dup	SVW34-VPF-094	SVW39-VPA-095	SVW39-VPE-096	SVW39-VPF-097	SVW39-VPI-098
DATE	08/28/03	08/28/03	08/28/03	08/28/03	08/28/03	08/28/03	08/28/03	08/28/03
ANALYSIS TIME	7:51	8:18	8:42	9:07	9:31	9:56	10:21	10:46
SAMPLING DEPTH (feet)	--	80	80	95	20	85	100	130
VOLUME WITHDRAWN (cc)	--	380	440	440	140	400	460	580
VOLUME INJECTED	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	1.6	2.1	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	2.8	5.2	8.2
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	26	25	1.7
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)								
DIBROMODIFLUOROMETHANE	107%	111%	105%	111%	110%	118%	116%	119%
1,2-DICHLOROETHANE-d4	104%	105%	102%	106%	106%	110%	112%	114%
4 BROMOFLUORO BENZENE	100%	99%	100%	97%	99%	99%	94%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 04-4428.10
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF081803-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW15-VPB-099	SVW15-VPC-100	SVW15-VPD-101	SVW15-VPE-102	SVW6-VPB-103	SVW6-VPB-104 Dup	SVW6-VPD-105
DATE	08/29/03	08/29/03	08/29/03	08/29/03	08/29/03	08/29/03	08/29/03	08/29/03
ANALYSIS TIME	7:40	8:05	8:29	8:53	9:17	9:41	10:05	10:29
SAMPLING DEPTH (feet)	--	40	60	75	90	40	40	77
VOLUME WITHDRAWN (cc)	--	220	300	360	420	220	280	368
VOLUME INJECTED	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)								
DIBROMODIFLUOROMETHANE	113%	114%	110%	118%	119%	121%	118%	121%
1,2-DICHLOROETHANE-d4	110%	109%	102%	113%	107%	114%	115%	113%
4 BROMOFLUORO BENZENE	96%	101%	98%	101%	95%	92%	91%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

APPENDIX B-2

CHAIN-OF-CUSTODY FORMS

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
JAY ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	ANNUAL SVE MONITORING	04-4428.10	858-793-0401	858-793-0404	JAY ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS** #270
JAY ROBINSON	714-920-8438	N/A	432 N CEDROS AVE		22632 GOLDEN SPRINGS DR
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	USNAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASLAM FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW12-VPA-001	AIR	8/18/03	0835	NONE	1*	3	NORM	X	1*60 cc SYRINGE
2	SVW12-VPC-002			0857					X	
3	SVW31-VPA-003			0920					X	
4	SVW31-VPB-004			0942					X	
5	SVW31-VPC-005			1005					X	
6	SVW31-VPD-006			1027					X	
7	SVW31-VPE-007			1050					X	
8	SVW30-VPA-008			1112					X	
9	SVW30-VPB-009			1134					X	
10	SVW30-VPB-010 DUPLICATE			1156					X	DUPLICATE

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER.				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8-18-03	1330	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR: JAY ROBINSON	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF081803-L6	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): GEOFON ~~JAY ROBINSON~~
PROJECT NAME: JPL #2	PROJECT LOCATION: ANNUAL SVE MONITORING	PROJECT NUMBER: 04-4428.10	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: JAY ROBINSON
PROJECT CONTACT: JAY ROBINSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 432 N. COSTA OS AVE	ADDRESS: 22632 GOLDEN SPRING #240 ~~4800 OAK GROVE DR~~ DR	
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075	CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765	
PROJECT MANAGER: ASRAR FAHROOM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW30-VPC-011	AIR	8/18/03	1318	NONE	1*	3	NORM	X	1*60 cc SYRINGE
2	SVW30-VPD-012	"	"	1340	"	"	"	"	X	
3	SVW30-VPE-013	"	"	1402	"	"	"	"	X	
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: Tony Mel	COURIER AND AIR BILL NUMBER:			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY: Tony Mel	RECEIVED BY: Mel Pol	DATE: 8-18-03	TIME: 330	SAMPLE'S CONDITION UPON RECEIPT: Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
JAY ROBINSON	909-396-7662	909-396-1455	GF081803-16	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	ANNUAL SVE MONITORING	04-4428-10	858-793-0401	858-793-0404	JAY ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
JAY ROBINSON	714-920-8438	N/A	432 N CEDROS AVE		22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASRAR FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW5-VPB-014	AIR	8/19/03	0802	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SVW1-VPB-015			0824					X	
3	SVW1-VPC-016			0846					X	
4	SVW2-VPA-017			0908					X	
5	SVW3-VPB-018			0930					X	
6	SVW3-VPC-019			0952					X	
7	SVW7-VPA-020			1017					X	
8	SVW7-VPB-021			1040					X	
9	SVW4-VPB-022			1102					X	
10	SVW4-VPB-023 DUPLICATE			1124					X	DUPLICATE

SAMPLES COLLECTED BY

COURIER AND AIR BILL NUMBER

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		8-19-03	1315	Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
JAY ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BUCKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	ANNUAL SVE MONITORING	04-4428.10	858-793-0401	858-793-0404	JAY ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS** #270
JAY ROBINSON	714-920-8438	N/A	432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	USNAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
BLAIR FAHRENTH	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW4-VPD-024	AIR	8/19/03	1255	NONE	1*	3	NORM	X	1* 60 cc SYRINGE
2										
3										
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER.				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
	Mark P Mark	8-19-03	1315	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
JAY ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME: SPL #2	PROJECT LOCATION: ANNUAL SVE MONITORING	PROJECT NUMBER: 04-4428-10	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: JAY ROBINSON
PROJECT CONTACT: JAY ROBINSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 432 N. CEDROS AVE	ADDRESS: 22632 GOLDEN SPRINGS DR #270	
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075	CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765	
PROJECT MANAGER: ASRAR FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW11-VPA-025	AIR	8/20/03	0730	NONE	1*	3	NORM	X	1* 60 cc SYRINGE
2	SVW32-VPB-026			0755					X	
3	SVW32-VPB-027			0817					X	
4	SVW32-VPE-028			0840					X	
5	SVW32-VPI-029			0902					X	
6	SVW32-VPJ-030			0924					X	
7	SVW14-VPA-031			0946					X	
8	SVW14-VPB-032			1008					X	
9	SVW17-VPC-033			1030					X	
10	SVW17-VPC-034 DUPLICATE			1052					X	DUPLICATE

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8-20-03	1400	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
JAY ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
SPL #2	ANNUAL SWMONITORING	04-4428-10	858-793-0401	858-793-0404	JAY ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS** #270
JAY ROBINSON	714-920-8438	N/A	432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAKGROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASLAM FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses 8010 | 8020	Comments
1	SMW8-VPC-035	AIR	8/20/03	1240	NONE	1*	3	NORM	X	1* 60 cc SYRINGE
2	SMW8-VPD-036	"	"	1302	"	"	"	"	X	
3	SMW8-VPE-037	"	"	1324	"	"	"	"	X	
4	SMW13-VPB-038	"	"	1346	"	"	"	"	X	
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER.				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8-20-03	1400	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME: JPL #2	**PROJECT LOCATION** ANNUAL SVE MONITORING	**PROJECT NUMBER** 04-4428-10	**LABORATORY PHONE** 858-793-0401	**LABORATORY FAX** 858-793-0404	**RECIPIENT NAME** J. ROBINSON
PROJECT CONTACT J. ROBINSON	**PROJECT PHONE NUMBER** 714-920-8438	**PROJECT FAX** N/A	**LABORATORY ADDRESS** 432 N. CEDROS AVE		**ADDRESS** 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS 4800 OAK GROVE DR	**CITY, STATE AND ZIPCODE** PASADENA CA 91108	**CLIENT** US NAVY SWDIV	**CITY, STATE AND ZIPCODE** SOLANA BEACH CA 92075		**CITY, STATE AND ZIPCODE** DIAMOND BAR CA 91765
PROJECT MANAGER ASRAR FAHEEM	**PROJECT MANAGER'S PHONE** 909-396-7662	**PROJECT MANAGER'S FAX** 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW10-VPB-039	AIR	8/21/03	0715	NONE	1*	3	NORM	X	1*60 cc SYRINGE
2	SVW10-VPD-040			0737					X	
3	SVW33-VPA-041			0800					X	
4	SVW33-VPB-042			0822					X	
5	SVW33-VPC-043			0844					X	
6	SVW33-VPD-044			0906					X	
7	SVW33-VPE-045			0928					X	
8	SVW33-VPF-046			0950					X	
9	SVW33-VPG-047			1012					X	
10	SVW33-VPG-048 DUPLICATE			1034					X	DUPLICATE

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8-21-03	1439	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
SPL #2	ANNUAL SVE MONITORING	04-4428.10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS** #270
J. ROBINSON	714-920-8438	N/A	432 N. COEROS AVE		22632 GOLDEN SPRINGS DR
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASLAM PARKEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020								Comments
1	SVW33-VPJ-049	AIR	8/21/03	1225	NONE	1*	3	NORM	X								1* 60cc SYRINGE
2	SVW9-VPA-050	"	"	1247	"	"	"	"	X								
3	SVW9-VPB-051	"	"	1310	"	"	"	"	X								
4	SVW9-VPC-052	"	"	1332	"	"	"	"	X								
5	SVW9-VPD-053	"	"	1354	"	"	"	"	X								
6	SVW9-VPE-054	"	"	1416	"	"	"	"	X								
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	8-21-03	1430	Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GFO081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	ANNUAL SVE MONITORING	04-4428.10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
J. ROBINSON	714-920-8438	N/A	432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASLAM RAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW35-VPE-055	AIR	8/22/03	0705	NONE	1*	3	Norm	X	1* 60 cc SYRINGE
2	SVW35-VPI-056			0727					X	
3	SVW28-VPA-057			0752					X	
4	SVW28-VPD-058			0814					X	
5	SVW28-VPD-059 DUPLICATE			0836					X	DUPLICATE
6	SVW28-VPE-060			0858					X	
7	SVW26-VPF-061			0920					X	
8	SVW26-VPG-062			0942					X	
9	SVW26-VPH-063			1004					X	
10	SVW25-VPA-064			1026					X	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER.				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8-22-03	1315	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GFO81803-66	MARK BURKE	GEOFON INC
PROJECT NAME: JPL #2	PROJECT LOCATION: ANNUAL SWE MONITORING	PROJECT NUMBER: 04-4428-10	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: J. ROBINSON
PROJECT CONTACT: J. ROBINSON	PROJECT PHONE NUMBER: 714-920-8438	PROJECT FAX: N/A	LABORATORY ADDRESS: 432 N. COSTROS AVE		ADDRESS: 22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: US NAVY SWDIV	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: DIAMOND BAR CA 91765
PROJECT MANAGER: ASRAR FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020							Comments
1	SW25-VPB-065	AIR	8/22/03	1245	NONE	1*	3	NORM	X							1* 60cc SYRINGE
2	SW25-VPI-066	"	"	1237	"	"	"	"	X							
3	SW25-VPS-067	"	"	1259	"	"	"	"	X							
4																
5																
6																
7																
8																
9																
10																

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER.				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8-22-03	1315	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
IPL #2	ANNUAL SVE MONITORING	04-4428.10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS** #270
J. ROBINSON	714-920-8438	N/A	432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASLAN FATHOOM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW36-VPA-068	AIR	8/25/03	0820	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SVW36-VPB-069			0842					X	
3	SVW36-VPB-070 DUPLICATE			0904					X	DUPLICATE
4	SVW36-VPC-071			0926					X	
5	SVW36-VPD-072			0948					X	
6	SVW36-VPE-073			1010					X	
7	SVW27-VPA-074			1032					X	
8	SVW27-VPB-075			1054					X	
9	SVW27-VPC-076			1116					X	
10	SVW27-VPD-077			1138					X	

SAMPLES COLLECTED BY: Tony M

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Tony M	Mark P	8-25-03	1445	Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	ANNUAL SVE MONITORING	04-4428-10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
J. ROBINSON	714-920-8438	N/A	432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR #270
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
BRAD FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010 / 8020	Comments
1	SVW27-VPE-078	AIR	8/25/03	1306	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SVW27-VPF-079	"	"	1328	"	"	"	"	X	
3	SVW27-VPG-080	"	"	1350	"	"	"	"	X	
4	SVW27-VPG-081 DUPLICATE	"	"	1412	"	"	"	"	X	DUPLICATE
5	SVW27-VPI-082	"	"	1434	"	"	"	"	X	
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	8-25-03	1445	Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	ANNUAL SVE MONITORING	04-4428.10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS** #270
J. ROBINSON	714-920-8438	N/A	432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	USNAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASRAR FAHEEM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW38-VPD-083	AIR	8/27/03	0845	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SVW38-VPF-084			0907					X	
3	SVW38-VPJ-085			0929					X	
4	SVW37-VPB-086			0955					X	
5	SVW37-VPE-087			1017					X	
6	SVW37-VPH-088			1040					X	
7	SVW37-VPA-089 DUPLICATE			1102					X	
8	SVW37-VPI-090			1124					X	
9	SVW37-VPJ-091			1146					X	
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER.				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8/28/03	1200	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME: TPL #2	**PROJECT LOCATION** ANNUAL SVE MONITORING	**PROJECT NUMBER** 04-4428-10	**LABORATORY PHONE** 858-793-0401	**LABORATORY FAX** 858-793-0404	**RECIPIENT NAME** J. ROBINSON
PROJECT CONTACT J. ROBINSON	**PROJECT PHONE NUMBER** 714-920-8438	**PROJECT FAX** N/A	**LABORATORY ADDRESS** 432 N. CEDROS AVE	**ADDRESS** #270 22632 GOLDEN SPRINGS DR	
PROJECT ADDRESS 4800 OAK GROVE DR	**CITY, STATE AND ZIPCODE** PASADENA CA 91108	**CLIENT** US NAVY SWDIV	**CITY, STATE AND ZIPCODE** SOLANA BEACH CA 92075	**CITY, STATE AND ZIPCODE** DIAMOND BAR CA 91765	
PROJECT MANAGER ASLAM FAHTEEM	**PROJECT MANAGER'S PHONE** 909-396-7662	**PROJECT MANAGER'S FAX** 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW15-VPB-099	AIR	8/29/03	0745	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SVW15-VPC-100			0807					X	
3	SVW15-VPD-101			0829					X	
4	SVW15-VPE-102			0851					X	
5	SVW16-VPB-103			0913					X	
6	SVW6-VPB-104 DUPLICATE			0935					X	DUPLICATE.
7	SVW6-VPD-105			0957					X	
8										
9										
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER.				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8-29-03	10:15	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
J. ROBINSON	909-396-7662	909-396-1455	GF081803-L6	MARK BURKE	GEOFON INC
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
JPL #2	ANNUAL SVE MONITORING	04-4428.10	858-793-0401	858-793-0404	J. ROBINSON
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS** #270
J. ROBINSON	714-920-8438	N/A	432 N. CEDROS AVE		22632 GOLDEN SPRINGS DR
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR	PASADENA CA 91108	US NAVY SWDIV	SOLANA BEACH CA 92075		DIAMOND BAR CA 91765
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
ASLAN FAHGERM	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW34-VPE-092	AIR	8/28/03	0755	NONE	1*	3	NORM	X	1*60cc SYRINGE
2	SVW34-VPE-093 DUPLICATE			0820					X	DUPLICATE
3	SVW34-VPF-094			0842					X	
4	SVW39-VPA-095			0904					X	
5	SVW39-VPE-096			0926					X	
6	SVW39-VPF-097			0948					X	
7	SVW39-VPI-098			1010					X	
8										
9										
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER				COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT	
		8-28-03	1015	Good	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

APPENDIX B-3

DAILY OPENING, CLOSING, AND CONTINUING CALIBRATION VERIFICATION REPORTS

QA/QC CALIBRATION DATA

DATE: 08/18/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	49.7	0.6%	1.0	1.23	23.0%
CHLOROFORM	50	49.6	0.8%	1.0	1.29	29.0%
1,1-DICHLORO ETHANE	50	51.8	3.6%	1.0	1.32	32.0%
1,2-DICHLORO ETHANE	50	52.7	5.4%	1.0	1.30	30.0%
1,1-DICHLORO ETHENE	50	48.2	3.6%	1.0	1.14	14.0%
CIS-1,2-DICHLORO ETHENE	50	49.0	2.0%	1.0	1.12	12.0%
TRANS-1,2-DICHLORO ETHENE	50	48.8	2.4%	1.0	1.14	14.0%
DICHLOROMETHANE	50	48.6	2.8%	1.0	1.24	24.0%
TETRACHLORO ETHENE	50	49.2	1.6%	1.0	1.17	17.0%
1,1,1,2-TETRACHLORO ETHANE	50	51.6	3.2%	1.0	1.32	32.0%
1,1,2,2-TETRACHLORO ETHANE	50	51.3	2.6%	1.0	1.24	24.0%
1,1,1-TRICHLORO ETHANE	50	49.4	1.2%	1.0	1.21	21.0%
1,1,2-TRICHLORO ETHANE	50	49.7	0.6%	1.0	1.17	17.0%
TRICHLORO ETHENE	50	47.3	5.4%	1.0	1.00	0.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	52.7	5.4%	1.0	1.28	28.0%
BENZENE	50	51.4	2.8%	1.0	1.28	28.0%
CHLOROBENZENE	50	50.9	1.8%	1.0	1.16	16.0%
ETHYLBENZENE	50	54.9	9.8%	1.0	1.12	12.0%
TOLUENE	50	50.8	1.6%	1.0	1.25	25.0%
m&p-XYLENES	100	114	14.3%	2.0	2.41	20.5%
o-XYLENE	50	54.7	9.4%	1.0	1.01	1.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 08/19/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	52.1	4.2%	1.0	1.10	10.0%
CHLOROFORM	50	51.3	2.6%	1.0	1.09	9.0%
1,1-DICHLORO ETHANE	50	52.9	5.8%	1.0	1.13	13.0%
1,2-DICHLORO ETHANE	50	53.8	7.6%	1.0	1.06	6.0%
1,1-DICHLORO ETHENE	50	49.7	0.6%	1.0	0.99	1.0%
CIS-1,2-DICHLORO ETHENE	50	49.4	1.2%	1.0	1.00	0.0%
TRANS-1,2-DICHLORO ETHENE	50	52.1	4.2%	1.0	1.02	2.0%
DICHLOROMETHANE	50	50.0	0.0%	1.0	1.07	7.0%
TETRACHLORO ETHENE	50	53.1	6.2%	1.0	1.03	3.0%
1,1,1,2-TETRACHLORO ETHANE	50	55.5	11.0%	1.0	1.16	16.0%
1,1,2,2-TETRACHLORO ETHANE	50	52.3	4.6%	1.0	1.03	3.0%
1,1,1-TRICHLORO ETHANE	50	50.9	1.8%	1.0	1.04	4.0%
1,1,2-TRICHLORO ETHANE	50	49.7	0.6%	1.0	1.00	0.0%
TRICHLORO ETHENE	50	48.9	2.2%	1.0	0.88	12.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.3	12.6%	1.0	1.07	7.0%
BENZENE	50	53.8	7.6%	1.0	1.20	20.0%
CHLOROBENZENE	50	52.1	4.2%	1.0	1.05	5.0%
ETHYLBENZENE	50	54.1	8.2%	1.0	1.00	0.0%
TOLUENE	50	50.3	0.6%	1.0	1.11	11.0%
m&p-XYLENES	100	110	9.5%	2.0	2.15	7.5%
o-XYLENE	50	53.5	7.0%	1.0	0.89	11.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 08/20/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	51.9	3.8%	1.0	1.17	17.0%
CHLOROFORM	50	51.3	2.6%	1.0	1.15	15.0%
1,1-DICHLORO ETHANE	50	53.2	6.4%	1.0	1.20	20.0%
1,2-DICHLORO ETHANE	50	52.1	4.2%	1.0	1.14	14.0%
1,1-DICHLORO ETHENE	50	50.6	1.2%	1.0	1.02	2.0%
CIS-1,2-DICHLORO ETHENE	50	48.0	4.0%	1.0	1.08	8.0%
TRANS-1,2-DICHLORO ETHENE	50	52.3	4.6%	1.0	1.07	7.0%
DICHLOROMETHANE	50	50.0	0.0%	1.0	1.20	20.0%
TETRACHLORO ETHENE	50	52.0	4.0%	1.0	1.16	16.0%
1,1,1,2-TETRACHLORO ETHANE	50	55.2	10.4%	1.0	1.23	23.0%
1,1,2,2-TETRACHLORO ETHANE	50	50.6	1.2%	1.0	1.08	8.0%
1,1,1-TRICHLORO ETHANE	50	50.3	0.6%	1.0	1.13	13.0%
1,1,2-TRICHLORO ETHANE	50	49.6	0.8%	1.0	1.00	0.0%
TRICHLORO ETHENE	50	48.2	3.6%	1.0	0.98	2.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.3	14.6%	1.0	1.11	11.0%
BENZENE	50	54.1	8.2%	1.0	1.24	24.0%
CHLOROBENZENE	50	50.2	0.4%	1.0	1.12	12.0%
ETHYLBENZENE	50	52.9	5.8%	1.0	1.15	15.0%
TOLUENE	50	52.4	4.8%	1.0	1.35	35.0%
m&p-XYLENES	100	109	9.0%	2.0	2.49	24.5%
o-XYLENE	50	52.7	5.4%	1.0	1.04	4.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 08/21/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	51.2	2.4%	1.0	1.08	8.0%
CHLOROFORM	50	50.0	0.0%	1.0	1.12	12.0%
1,1-DICHLORO ETHANE	50	52.2	4.4%	1.0	1.17	17.0%
1,2-DICHLORO ETHANE	50	52.1	4.2%	1.0	1.08	8.0%
1,1-DICHLORO ETHENE	50	50.0	0.0%	1.0	0.99	1.0%
CIS-1,2-DICHLORO ETHENE	50	48.0	4.0%	1.0	0.96	4.0%
TRANS-1,2-DICHLORO ETHENE	50	50.2	0.4%	1.0	1.03	3.0%
DICHLOROMETHANE	50	48.6	2.8%	1.0	1.11	11.0%
TETRACHLORO ETHENE	50	52.9	5.8%	1.0	1.05	5.0%
1,1,1,2-TETRACHLORO ETHANE	50	54.0	8.0%	1.0	1.25	25.0%
1,1,2,2-TETRACHLORO ETHANE	50	50.7	1.4%	1.0	1.07	7.0%
1,1,1-TRICHLORO ETHANE	50	50.2	0.4%	1.0	1.11	11.0%
1,1,2-TRICHLORO ETHANE	50	47.2	5.6%	1.0	1.05	5.0%
TRICHLORO ETHENE	50	47.9	4.2%	1.0	0.85	15.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.0	14.0%	1.0	1.20	20.0%
BENZENE	50	52.2	4.4%	1.0	1.12	12.0%
CHLOROBENZENE	50	51.2	2.4%	1.0	1.06	6.0%
ETHYLBENZENE	50	53.2	6.4%	1.0	0.99	1.0%
TOLUENE	50	50.0	0.0%	1.0	1.01	1.0%
m&p-XYLENES	100	109	9.0%	2.0	2.09	4.5%
o-XYLENE	50	52.7	5.4%	1.0	0.86	14.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 08/22/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	52.6	5.2%	1.0	1.02	2.0%
CHLOROFORM	50	52.0	4.0%	1.0	1.04	4.0%
1,1-DICHLORO ETHANE	50	55.0	10.0%	1.0	1.08	8.0%
1,2-DICHLORO ETHANE	50	54.8	9.6%	1.0	1.07	7.0%
1,1-DICHLORO ETHENE	50	49.7	0.6%	1.0	0.95	5.0%
CIS-1,2-DICHLORO ETHENE	50	48.2	3.6%	1.0	0.96	4.0%
TRANS-1,2-DICHLORO ETHENE	50	52.4	4.8%	1.0	0.96	4.0%
DICHLOROMETHANE	50	50.3	0.6%	1.0	1.07	7.0%
TETRACHLORO ETHENE	50	53.1	6.2%	1.0	1.01	1.0%
1,1,1,2-TETRACHLORO ETHANE	50	57.6	15.2%	1.0	1.16	16.0%
1,1,2,2-TETRACHLORO ETHANE	50	51.6	3.2%	1.0	1.13	13.0%
1,1,1-TRICHLORO ETHANE	50	51.2	2.4%	1.0	1.00	0.0%
1,1,2-TRICHLORO ETHANE	50	50.2	0.4%	1.0	1.00	0.0%
TRICHLORO ETHENE	50	46.6	6.8%	1.0	0.88	12.0%
DICHLORODIFLUOROMETHANE (FR12)	50	49.2	1.6%	1.0	1.13	13.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	60.9	21.8%	1.0	1.10	10.0%
BENZENE	50	54.4	8.8%	1.0	1.09	9.0%
CHLOROBENZENE	50	52.7	5.4%	1.0	1.06	6.0%
ETHYLBENZENE	50	54.8	9.6%	1.0	0.97	3.0%
TOLUENE	50	48.6	2.8%	1.0	1.06	6.0%
m&p-XYLENES	100	110	10.0%	2.0	2.06	3.0%
o-XYLENE	50	53.2	6.4%	1.0	0.88	12.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 08/25/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE (1ug/L) CLOSING		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	52.0	4.0%	1.0	1.17	17.0%
CHLOROFORM	50	49.7	0.6%	1.0	1.12	12.0%
1,1-DICHLORO ETHANE	50	52.1	4.2%	1.0	1.18	18.0%
1,2-DICHLORO ETHANE	50	51.3	2.6%	1.0	1.13	13.0%
1,1-DICHLORO ETHENE	50	50.6	1.2%	1.0	1.04	4.0%
CIS-1,2-DICHLORO ETHENE	50	50.4	0.8%	1.0	0.96	4.0%
TRANS-1,2-DICHLORO ETHENE	50	51.5	3.0%	1.0	1.05	5.0%
DICHLOROMETHANE	50	49.9	0.2%	1.0	1.24	24.0%
TETRACHLORO ETHENE	50	51.8	3.6%	1.0	1.09	9.0%
1,1,1,2-TETRACHLORO ETHANE	50	51.6	3.2%	1.0	1.22	22.0%
1,1,2,2-TETRACHLORO ETHANE	50	47.0	6.0%	1.0	0.95	5.0%
1,1,1-TRICHLORO ETHANE	50	50.7	1.4%	1.0	1.09	9.0%
1,1,2-TRICHLORO ETHANE	50	47.1	5.8%	1.0	0.95	5.0%
TRICHLORO ETHENE	50	48.1	3.8%	1.0	0.98	2.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.3	14.6%	1.0	1.12	12.0%
BENZENE	50	54.9	9.8%	1.0	1.27	27.0%
CHLOROBENZENE	50	49.4	1.2%	1.0	1.11	11.0%
ETHYLBENZENE	50	55.2	10.4%	1.0	1.13	13.0%
TOLUENE	50	55.8	11.6%	1.0	1.44	44.0%
m&p-XYLENES	100	112	12.0%	2.0	2.61	30.5%
o-XYLENE	50	55.8	11.6%	1.0	1.10	10.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 08/27/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	52.0	4.0%	1.0	1.10	10.0%
CHLOROFORM	50	50.6	1.2%	1.0	1.12	12.0%
1,1-DICHLORO ETHANE	50	53.4	6.8%	1.0	1.18	18.0%
1,2-DICHLORO ETHANE	50	54.0	8.0%	1.0	1.10	10.0%
1,1-DICHLORO ETHENE	50	51.8	3.6%	1.0	1.01	1.0%
CIS-1,2-DICHLORO ETHENE	50	51.2	2.4%	1.0	1.02	2.0%
TRANS-1,2-DICHLORO ETHENE	50	52.0	4.0%	1.0	1.01	1.0%
DICHLOROMETHANE	50	51.4	2.8%	1.0	1.22	22.0%
TETRACHLORO ETHENE	50	51.3	2.6%	1.0	1.03	3.0%
1,1,1,2-TETRACHLORO ETHANE	50	53.0	6.0%	1.0	1.26	26.0%
1,1,2,2-TETRACHLORO ETHANE	50	50.1	0.2%	1.0	1.18	18.0%
1,1,1-TRICHLORO ETHANE	50	51.0	2.0%	1.0	1.05	5.0%
1,1,2-TRICHLORO ETHANE	50	48.0	4.0%	1.0	1.04	4.0%
TRICHLORO ETHENE	50	48.0	4.0%	1.0	0.82	18.0%
TRICHLOROFLUOROMETHANE (FR11)	50	62.0	24.0%	1.0	1.60	60.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.1	14.2%	1.0	1.19	19.0%
BENZENE	50	52.5	5.0%	1.0	1.15	15.0%
CHLOROBENZENE	50	50.7	1.4%	1.0	1.08	8.0%
ETHYLBENZENE	50	53.5	7.0%	1.0	0.97	3.0%
TOLUENE	50	50.9	1.8%	1.0	1.13	13.0%
m&p-XYLENES	100	112	12.0%	2.0	2.01	0.5%
o-XYLENE	50	53.9	7.8%	1.0	0.83	17.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 08/28/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	OPENING STANDARD RESULT	OPENING STANDARD %DIFF	2ND SOURCE (1ug/L) CLOSING MASS	2ND SOURCE (1ug/L) CLOSING RESULT	2ND SOURCE (1ug/L) CLOSING %DIFF
CARBON TETRACHLORIDE	50	51.9	3.8%	1.0	1.05	5.0%
CHLOROFORM	50	49.9	0.2%	1.0	1.03	3.0%
1,1-DICHLORO ETHANE	50	53.1	6.2%	1.0	1.10	10.0%
1,2-DICHLORO ETHANE	50	52.9	5.8%	1.0	1.03	3.0%
1,1-DICHLORO ETHENE	50	49.1	1.8%	1.0	1.01	1.0%
CIS-1,2-DICHLORO ETHENE	50	48.1	3.8%	1.0	0.95	5.0%
TRANS-1,2-DICHLORO ETHENE	50	51.6	3.2%	1.0	1.01	1.0%
DICHLOROMETHANE	50	50.0	0.0%	1.0	1.17	17.0%
TETRACHLORO ETHENE	50	50.3	0.6%	1.0	1.05	5.0%
1,1,1,2-TETRACHLORO ETHANE	50	52.5	5.0%	1.0	1.15	15.0%
1,1,2,2-TETRACHLORO ETHANE	50	49.3	1.4%	1.0	1.12	12.0%
1,1,1-TRICHLORO ETHANE	50	50.6	1.2%	1.0	1.04	4.0%
1,1,2-TRICHLORO ETHANE	50	49.1	1.8%	1.0	0.98	2.0%
TRICHLORO ETHENE	50	46.2	7.6%	1.0	0.85	15.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	55.5	11.0%	1.0	1.12	12.0%
BENZENE	50	54.2	8.4%	1.0	1.08	8.0%
CHLOROBENZENE	50	50.4	0.8%	1.0	1.04	4.0%
ETHYLBENZENE	50	53.6	7.2%	1.0	0.94	6.0%
TOLUENE	50	53.7	7.4%	1.0	1.15	15.0%
m&p-XYLENES	100	113	13.0%	2.0	1.99	0.5%
o-XYLENE	50	54.0	8.0%	1.0	0.85	15.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 08/29/03
HP Labs Project #GF081803-L6
LAB-6

SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-773
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	OPENING STANDARD MASS	RESULT	%DIFF	2ND SOURCE (1ug/L) CLOSING MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	49.2	1.6%	1.0	1.11	11.0%
CHLOROFORM	50	49.1	1.8%	1.0	1.10	10.0%
1,1-DICHLORO ETHANE	50	51.4	2.8%	1.0	1.14	14.0%
1,2-DICHLORO ETHANE	50	52.2	4.4%	1.0	1.09	9.0%
1,1-DICHLORO ETHENE	50	46.2	7.6%	1.0	0.96	4.0%
CIS-1,2-DICHLORO ETHENE	50	47.2	5.6%	1.0	0.96	4.0%
TRANS-1,2-DICHLORO ETHENE	50	48.8	2.4%	1.0	1.02	2.0%
DICHLOROMETHANE	50	49.4	1.2%	1.0	1.15	15.0%
TETRACHLORO ETHENE	50	49.6	0.8%	1.0	1.02	2.0%
1,1,1,2-TETRACHLORO ETHANE	50	53.5	7.0%	1.0	1.18	18.0%
1,1,2,2-TETRACHLORO ETHANE	50	47.3	5.4%	1.0	1.09	9.0%
1,1,1-TRICHLORO ETHANE	50	48.8	2.4%	1.0	1.07	7.0%
1,1,2-TRICHLORO ETHANE	50	45.9	8.2%	1.0	1.00	0.0%
TRICHLORO ETHENE	50	44.4	11.2%	1.0	0.83	17.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.2	12.4%	1.0	1.21	21.0%
BENZENE	50	51.1	2.2%	1.0	1.18	18.0%
CHLOROBENZENE	50	49.6	0.8%	1.0	1.04	4.0%
ETHYLBENZENE	50	50.6	1.2%	1.0	1.00	0.0%
TOLUENE	50	46.7	6.6%	1.0	1.23	23.0%
m&p-XYLENES	100	102	2.0%	2.0	2.11	5.5%
o-XYLENE	50	49.5	1.0%	1.0	0.84	16.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 08/18/03
HP Labs Project #GF081803-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-773
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	MASS	RT	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	7.7	50.3	0.6%
CHLOROFORM	50	7.1	50.4	0.8%
1,1-DICHLORO ETHANE	50	5.7	52.3	4.6%
1,2-DICHLORO ETHANE	50	8.0	53.6	7.2%
1,1-DICHLORO ETHENE	50	4.1	47.3	5.4%
CIS-1,2-DICHLORO ETHENE	50	6.5	48.7	2.6%
TRANS-1,2-DICHLORO ETHENE	50	5.1	50.6	1.2%
DICHLOROMETHANE	50	4.8	50.1	0.2%
TETRACHLORO ETHENE	50	12.9	50.0	0.0%
1,1,1,2-TETRACHLORO ETHANE	50	15.2	53.8	7.6%
1,1,2,2-TETRACHLORO ETHANE	50	18.3	51.7	3.4%
1,1,1-TRICHLORO ETHANE	50	7.4	48.7	2.6%
1,1,2-TRICHLORO ETHANE	50	12.6	49.4	1.2%
TRICHLORO ETHENE	50	9.1	43.9	12.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	56.4	12.8%
BENZENE	50	7.9	52.8	5.6%
CHLOROBENZENE	50	14.9	50.5	1.0%
ETHYLBENZENE	50	15.2	51.9	3.8%
TOLUENE	50	11.6	49.3	1.4%
m&p-XYLENES	100	15.5	106	5.9%
o-XYLENE	50	16.5	50.9	1.8%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 08/19/03
HP Labs Project #GF081803-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-773
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	50	7.7	53.6	7.2%
CHLOROFORM	50	7.1	53.9	7.8%
1,1-DICHLORO ETHANE	50	5.7	56.2	12.4%
1,2-DICHLORO ETHANE	50	8.0	55.8	11.6%
1,1-DICHLORO ETHENE	50	4.1	51.2	2.4%
CIS-1,2-DICHLORO ETHENE	50	6.5	50.1	0.2%
TRANS-1,2-DICHLORO ETHENE	50	5.1	53.6	7.2%
DICHLOROMETHANE	50	4.8	53.3	6.6%
TETRACHLORO ETHENE	50	12.9	52.7	5.4%
1,1,1,2-TETRACHLORO ETHANE	50	15.2	57.4	14.8%
1,1,2,2-TETRACHLORO ETHANE	50	18.3	48.5	3.0%
1,1,1-TRICHLORO ETHANE	50	7.4	52.2	4.4%
1,1,2-TRICHLORO ETHANE	50	12.6	51.7	3.4%
TRICHLORO ETHENE	50	9.1	47.8	4.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	62.1	24.2%
BENZENE	50	7.9	56.7	13.4%
CHLOROBENZENE	50	14.9	53.2	6.4%
ETHYLBENZENE	50	15.2	55.6	11.2%
TOLUENE	50	11.6	50.7	1.4%
m&p-XYLENES	100	15.5	118	18.0%
o-XYLENE	50	16.5	54.9	9.8%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 08/20/03
HP Labs Project #GF081803-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-773
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	50	7.7	50.9	1.8%
CHLOROFORM	50	7.1	50.2	0.4%
1,1-DICHLORO ETHANE	50	5.7	51.7	3.4%
1,2-DICHLORO ETHANE	50	8.0	52.9	5.8%
1,1-DICHLORO ETHENE	50	4.1	48.4	3.2%
CIS-1,2-DICHLORO ETHENE	50	6.5	49.8	0.4%
TRANS-1,2-DICHLORO ETHENE	50	5.1	50.6	1.2%
DICHLOROMETHANE	50	4.8	49.6	0.8%
TETRACHLORO ETHENE	50	12.9	49.1	1.8%
1,1,1,2-TETRACHLORO ETHANE	50	15.2	50.6	1.2%
1,1,2,2-TETRACHLORO ETHANE	50	18.3	49.0	2.0%
1,1,1-TRICHLORO ETHANE	50	7.4	50.3	0.6%
1,1,2-TRICHLORO ETHANE	50	12.6	48.8	2.4%
TRICHLORO ETHENE	50	9.1	47.6	4.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	52.3	4.6%
BENZENE	50	7.9	52.7	5.4%
CHLOROBENZENE	50	14.9	49.7	0.6%
ETHYLBENZENE	50	15.2	53.4	6.8%
TOLUENE	50	11.6	51.8	3.6%
m&p-XYLENES	100	15.5	113	13.1%
o-XYLENE	50	16.5	54.3	8.6%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 08/21/03
HP Labs Project #GF081803-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-773
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	50	7.7	55.5	11.0%
CHLOROFORM	50	7.1	54.1	8.2%
1,1-DICHLORO ETHANE	50	5.7	56.7	13.4%
1,2-DICHLORO ETHANE	50	8.0	56.8	13.6%
1,1-DICHLORO ETHENE	50	4.1	49.6	0.8%
CIS-1,2-DICHLORO ETHENE	50	6.5	51.1	2.2%
TRANS-1,2-DICHLORO ETHENE	50	5.1	54.5	9.0%
DICHLOROMETHANE	50	4.8	54.1	8.2%
TETRACHLORO ETHENE	50	12.9	54.0	8.0%
1,1,1,2-TETRACHLORO ETHANE	50	15.2	58.0	16.0%
1,1,2,2-TETRACHLORO ETHANE	50	18.3	50.8	1.6%
1,1,1-TRICHLORO ETHANE	50	7.4	52.7	5.4%
1,1,2-TRICHLORO ETHANE	50	12.6	53.2	6.4%
TRICHLORO ETHENE	50	9.1	46.1	7.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	62.7	25.4%
BENZENE	50	7.9	58.0	16.0%
CHLOROBENZENE	50	14.9	53.1	6.2%
ETHYLBENZENE	50	15.2	55.1	10.2%
TOLUENE	50	11.6	51.3	2.6%
m&p-XYLENES	100	15.5	112	12.0%
o-XYLENE	50	16.5	52.1	4.2%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 08/22/03
HP Labs Project #GF081803-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-773
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

			CONTINUING STANDARD	
COMPOUND	MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	50	7.7	54.1	8.2%
CHLOROFORM	50	7.1	52.9	5.8%
1,1-DICHLORO ETHANE	50	5.7	56.4	12.8%
1,2-DICHLORO ETHANE	50	8.0	56.0	12.0%
1,1-DICHLORO ETHENE	50	4.1	52.8	5.6%
CIS-1,2-DICHLORO ETHENE	50	6.5	51.3	2.6%
TRANS-1,2-DICHLORO ETHENE	50	5.1	54.4	8.8%
DICHLOROMETHANE	50	4.8	54.3	8.6%
TETRACHLORO ETHENE	50	12.9	52.2	4.4%
1,1,1,2-TETRACHLORO ETHANE	50	15.2	54.7	9.4%
1,1,2,2-TETRACHLORO ETHANE	50	18.3	49.8	0.4%
1,1,1-TRICHLORO ETHANE	50	7.4	51.6	3.2%
1,1,2-TRICHLORO ETHANE	50	12.6	51.7	3.4%
TRICHLORO ETHENE	50	9.1	48.0	4.0%
DICHLORODIFLUOROMETHANE (FR12)	50	3.6	47.8	4.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	61.4	22.8%
BENZENE	50	7.9	58.4	16.8%
CHLOROBENZENE	50	14.9	52.1	4.2%
ETHYLBENZENE	50	15.2	56.3	12.6%
TOLUENE	50	11.6	54.5	9.0%
m&p-XYLENES	100	15.5	117	17.0%
o-XYLENE	50	16.5	55.2	10.4%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC - CALIBRATION DATA

DATE: 08/25/03
HP Labs Project #GF081803-L6
Lab 6

CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-773
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	50	7.7	54.2	8.4%
CHLOROFORM	50	7.1	53.1	6.2%
1,1-DICHLORO ETHANE	50	5.7	54.8	9.6%
1,2-DICHLORO ETHANE	50	8.0	55.2	10.4%
1,1-DICHLORO ETHENE	50	4.1	50.3	0.6%
CIS-1,2-DICHLORO ETHENE	50	6.5	50.8	1.6%
TRANS-1,2-DICHLORO ETHENE	50	5.1	54.2	8.4%
DICHLOROMETHANE	50	4.8	54.8	9.6%
TETRACHLORO ETHENE	50	12.9	53.8	7.6%
1,1,1,2-TETRACHLORO ETHANE	50	15.2	58.3	16.6%
1,1,2,2-TETRACHLORO ETHANE	50	18.3	54.6	9.2%
1,1,1-TRICHLORO ETHANE	50	7.4	52.4	4.8%
1,1,2-TRICHLORO ETHANE	50	12.6	51.1	2.2%
TRICHLORO ETHENE	50	9.1	47.3	5.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	4.1	61.7	23.4%
BENZENE	50	7.9	56.4	12.8%
CHLOROBENZENE	50	14.9	54.1	8.2%
ETHYLBENZENE	50	15.2	56.4	12.8%
TOLUENE	50	11.6	55.2	10.4%
m&p-XYLENES	100	15.5	118	18.0%
o-XYLENE	50	16.5	55.6	11.2%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1561)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6
SUPPLY SOURCE: SUPELCO LOT #LSS-774
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RT	RESULT	%DIFF
CARBON TETRACHLORIDE	8/12/2003	50	8.5	49.5	1.0%
CHLOROFORM	8/12/2003	50	8.1	47.9	4.2%
1,1-DICHLORO ETHANE	8/12/2003	50	7.4	49.0	2.0%
1,2-DICHLORO ETHANE	8/12/2003	50	8.6	49.0	2.0%
1,1-DICHLORO ETHENE	8/12/2003	50	6.4	43.9	12.2%
CIS-1,2-DICHLORO ETHENE	8/12/2003	50	7.9	49.6	0.8%
TRANS-1,2-DICHLORO ETHENE	8/12/2003	50	7.1	48.6	2.8%
DICHLOROMETHANE	8/12/2003	50	6.8	47.0	6.0%
TETRACHLORO ETHENE	8/12/2003	50	10.8	50.8	1.6%
1,1,1,2-TETRACHLORO ETHANE	8/12/2003	50	11.7	53.9	7.8%
1,1,2,2-TETRACHLORO ETHANE	8/12/2003	50	12.7	51.1	2.2%
1,1,1-TRICHLORO ETHANE	8/12/2003	50	8.4	48.5	3.0%
1,1,2-TRICHLORO ETHANE	8/12/2003	50	10.6	45.3	9.4%
TRICHLORO ETHENE	8/12/2003	50	9.2	47.1	5.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	8/12/2003	50	6.3	43.4	13.2%
BENZENE	8/12/2003	50	8.7	48.6	2.8%
ETHYLBENZENE	8/12/2003	50	11.7	54.9	9.8%
TOLUENE	8/12/2003	50	10.3	47.6	4.8%
m&p-XYLENES	8/12/2003	100	11.7	106.8	6.8%
o-XYLENE	8/12/2003	50	12.2	53.0	6.0%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #1561
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS